



**CITY OF HAYWARD**  
**AGENDA REPORT**

AGENDA DATE 09/21/99

AGENDA ITEM 3

WORK SESSION ITEM           

**TO:** Mayor and City Council

**FROM:** Director of Public Works

**SUBJECT:** Optical Traffic Signal Preemption System – Approval of Plans and Specifications and Call for Bids

**RECOMMENDATION:**

It is recommended that the City Council approve the attached resolution that approves the plans and specifications for installing a signal preemption system at various locations throughout the City and calls for bids to be received on October 19, 1999.

**BACKGROUND:**

This project calls for installation of signal preemption devices at various locations which will allow movement of emergency vehicles in a timely, collision-free manner and foster safer general traffic movement. Additionally, the Fire Department has installed optical signal transmitters on all fire apparatus, and undertaken an extensive driver's training program.

This project will continue the installation of optical traffic signal preemption systems based on an established priority list of intersections. It consists of installing optical pre-emption detectors on traffic signal poles/mast arms, detector cables in existing or new conduits, and preemption phase selectors in traffic controller cabinets (see Exhibit A). The intersections are as follows:

1. Jackson Street and Santa Clara Street
2. Jackson Street and Mission Boulevard and Foothill Boulevard
3. Mission Boulevard and Harder Road
4. Mission Boulevard and Tennyson Road
5. West A Street and I-880
6. West A Street and Hesperian Boulevard
7. West A Street and Santa Clara Street
8. Industrial Parkway and Ruus Road
9. W. Tennyson Road and Hesperian Boulevard
10. Soto Road and Harder Road
11. Huntwood Avenue and Industrial Parkway
12. Elmhurst Street and Santa Clara Street

This contract includes a base bid for preemption systems at locations 1 through 11 with additive alternative bid items both for location 12, (Elmhurst/Santa Clara) and for the replacement of optical transmitters on 14 fire apparatus. This bid structure was established to maximize system installation within the available funding.

Staff applied for and was successful in receiving federal funding for this project under the Hazard Elimination Safety (HES) Program. As a federally funded project, Caltrans has concluded it qualifies for a categorical exclusion under the National Environmental Policy Act and has authorized the City to proceed with design and construction. The project is also categorically exempt under guidelines of the California Environmental Quality Act for the addition of safety devices in conjunction with existing facilities.

Staff has established a single Disadvantaged Business Enterprise (DBE) goal of 3 percent for this project, per federal requirements. The appropriateness of the goal was established through an evaluation of available subcontracting opportunities for the project and analysis as to what portion of that subcontracting would be reasonable to set aside for DBE participation.

#### **PROJECT COST:**

The estimated costs for the project are:

Construction Cost (base bid)	\$117,000
Design and Administration	20,000
Inspection and testing	8,000
Work by City forces	<u>3,000</u>
<b>TOTAL</b>	<b>\$148,000</b>

#### **FUNDING:**

The approved 1999/2000 Capital Improvement Program includes \$148,000 for this project in the Transportation System Improvement Fund. The City will be reimbursed \$143,000 in Federal HES funds for this project.

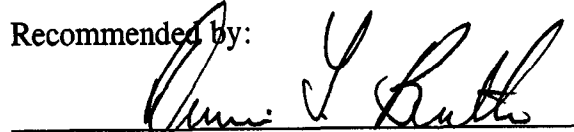
#### **SCHEDULE:**

Advertise	September 21, 1999
Receive Bids	October 19, 1999
Award	November 16, 1999
Start Construction	January 7, 2000
Complete work	March 23, 2000

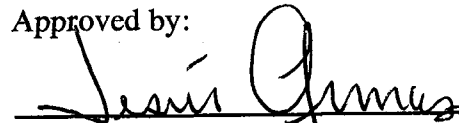
Prepared by:

  
Robert A. Bauman, Deputy Director of Public Works

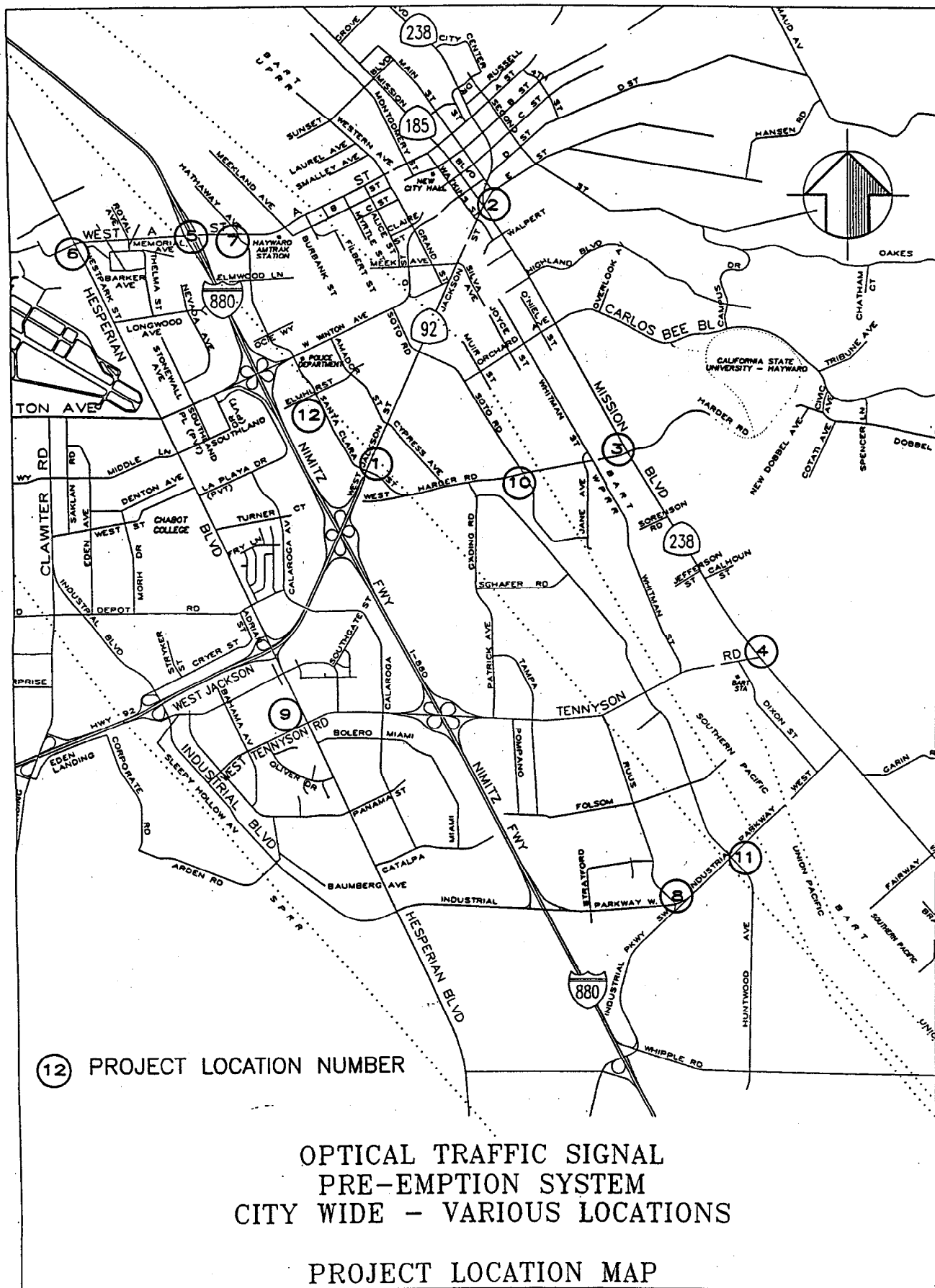
Recommended by:

  
Dennis L. Butler, Director of Public Works

Approved by:

  
Jesús Armas, City Manager

Attachments: Exhibit A: Project Location Map



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# DRAFT

pm 9-16-99

HAYWARD CITY COUNCIL

RESOLUTION NO. \_\_\_\_\_

Introduced by Council Member \_\_\_\_\_

RESOLUTION APPROVING PLANS AND SPECIFICATIONS FOR INSTALLATION OF AN OPTICAL TRAFFIC SIGNAL PREEMPTION SYSTEM AT VARIOUS LOCATIONS THROUGHOUT THE CITY, PROJECT NO. 5704, AND CALL FOR BIDS

BE IT RESOLVED by the City Council of the City of Hayward as follows:

1. That those certain plans and specifications for installation of an Optical Traffic Signal Preemption System at various locations throughout the City, Project No. 5704 on file in the office of the City Clerk, are hereby adopted as the plans and specifications for the project; and
2. That the City Clerk is hereby directed to cause a notice calling for bids for the required work and material to be made in the form and manner provided by law; and
3. That sealed bids therefor will be received by the City Clerk's office at City Hall, 777 B Street, Hayward, California 94541-5007, up to the hour of 2:00 p.m. on Tuesday, October 19, 1999, and immediately thereafter publicly opened and declared by the City Clerk in Conference Room 4D, City Hall, Hayward, California; and
4. That the City Council will consider a report on the bids at a regular meeting following the aforesaid opening and declaration of same.

IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 1999

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: \_\_\_\_\_  
City Clerk of the City of Hayward

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney of the City of Hayward